

Appl. No.: 10/034,818

Filed: 12/27/2001

Page 2

Amendments to the Claims:

1. (Currently Amended) A power transmission striated belt suitable for automotive applications comprising:

an elastomeric matrix; and

a lengthwise supporting structure consisting of polyamide 4.6 twisted strands that are wound with a very small nominal tension less than 5 N ~~or almost without any tension~~, and wherein a curing operation of the elastomeric matrix and a cooling operation after curing are carried out without any belt tensioning.

2. (Previously Presented) A power transmission striated belt suitable for automotive applications comprising:

an elastomeric matrix; and

a lengthwise supporting structure consisting of polyamide twisted strands,

wherein the supporting structure is selected so that the belt has a stress-elongation diagram which exhibits above 1% elongation an average slope ranging from 12 to 20 daN/% of elongation per width centimeter and per strand.

3. (Original) The belt according to claim 2, wherein said average slope is equal to 17 daN/% of elongation per width centimeter and per strand.

4. (Original) The belt according to claim 1 wherein the belt has a length, as measured on a test bench according to the ISO Standard 9981, which is lower by 1%-6% than the nominal length of a drive system.

5. (Original) The belt according to claim 4, wherein the length of said belt, as measured on a test bench, is lower by 2%-3% than the nominal length of a drive system.

6. (Previously Presented) A power transmission striated belt suitable for automotive applications comprising:

BEST AVAILABLE COPY

Appl. No.: 10/034,818

Filed: 12/27/2001

Page 3

an elastomeric matrix; and
a lengthwise supporting structure consisting of polyamide twisted strands,
wherein the belt has a stable operating tension ranging from 14 to 20 daN/width
centimeter/strand.

7. (Original) The belt according to claim 1, wherein the twisted strands have a diameter ranging from 0.7 to 1.3 mm.
8. (Original) The belt according to claim 1, wherein a space between the twisted strands ranges from 0 to 4d, d designating a diameter of the twisted strands.
9. (Previously Presented) The belt according to claim 8, wherein said space between twisted strands ranges from 0 to 2 d.
10. (Cancelled)
11. (Previously Presented) The belt according to claim 2, wherein said strands are wound with a very small nominal tension less than 5 N.
12. (Previously Presented) The belt according to claim 3, wherein said strands are wound with a very small nominal tension less than 5 N.
13. (Previously Presented) A drive system comprising a pulley integral with a driving shaft of a car engine and at least one pulley integral with a driven shaft of a receiving device, and wherein said pulleys carry a belt according to any one of claims 1 to 12, and wherein said drive system is free from any fixed belt tightener.
14. (Previously Presented) The belt according to claim 1 wherein the belt has a stable operating tension ranging from 14 to 20 daN/width centimeter/strand.

Appl. No.: 10/034,818
Filed: 12/27/2001
Page 4

15. (Previously Presented) The belt according to claim 2 wherein the belt has a stable operating tension ranging from 14 to 20 daN/width centimeter/strand.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.